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WASHINGTON, D.C. 20231

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Sir:

Transmitted herewith for filing is the Patent Application of:

ASSIGNEE NAME: International Business Machines Corporation  
ASSIGNEE RESIDENCE: Armonk, New York

Inventor: J J Duigenan, S J Todd, G D Wallis

For: LIVENESS MONITORING IN A PUBLISH/SUBSCRIBE MESSAGING SYSTEM

Enclosed are:

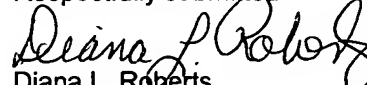
- ☒ Patent Specification and Declaration
- ☒ 4 sheets of drawing(s)
- ☒ An assignment of the invention to International Business Machines Corporation (includes Recordation Form Cover Sheet)
- ☒ A certified copy of a United Kingdom application filed on 5 June 2003, Serial Number 0312894.9
- ☐ Information Disclosure Statement, PTO 1449 and copies of references

The fee has been calculated as shown below:

	Number Filed	Number Extra		Rate	Fee \$
Basic Fee					\$770.00
Total Claims	33-20	13	x	18	\$234.00
Independent Claims	3-3		x	86	\$0.00
MULTIPLE DEPENDENT CLAIM PRESENTED				280	\$0.00
				TOTAL	\$1,004.00

- ☒ Please charge my Deposit Account No. 09-0447 in the amount of \$1004.00. A duplicate of this sheet is enclosed.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account 09-0447. A duplicate copy of this sheet is enclosed.
- ☒ Any additional filing fees required under 37 CFR §1.16.
- ☒ Any patent application processing fees under 37 CFR §1.17.

Respectfully submitted



Diana L. Roberts  
Registration No. 36,654  
IBM Corporation  
IP Law Department  
11400 Burnet Road  
Austin, TX 78758  
Tel: (512) 823-9667

